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Atty. Dkt. No. 034827-1401

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Doug Hui Huang  
Title: COMPOSITIONS AND METHODS  
FOR TIGR GENOTYPING  
ASSAYS  
Appl. No.: 10/017,870  
Filing Date: 12/12/2001  
Examiner: Hashemi  
Art Unit: 1637

<b>CERTIFICATE OF MAILING</b> I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the date below. <u>DIANE GARCIA</u> (Printed Name) <u>Diane Garcia</u> (Signature) <u>8-19-2003</u> (Date of Deposit)
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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

8/22/2003 MAILING 00000009 10017870

FC:1806

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**TIMING OF THE DISCLOSURE**

The listed document is being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.113, or an action that otherwise closes prosecution in the application.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

**FEE**

A fee in connection with submission of an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00 in accordance with 37 CFR §1.17(p) is attached.

Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

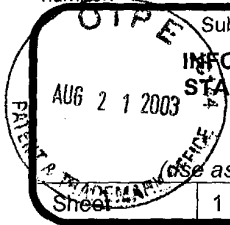
Date August 18, 2003

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By Barry S. Wilson

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Registration No. 39,431

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 Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/017,870
		Filing Date	12/12/2001
		First Named Inventor	Doug Hui Huang
		Group Art Unit	1645
		Examiner Name	Hashemi
		Attorney Docket Number	034827-1401
Sheet	1	of	3

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	5,861,497		Nguyen et al.	Jan. 19, 1999	
	A2	5,916,778		Stone et al.	June 29, 1999	
	A3	6,248,867		Nguyen et al.	June 19, 2001	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
							T <sup>6</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A4	Brezin et al., "Founder effect in GLC1A-linked familial open-angle glaucoma in Northern France." Am. J. Med. Genet., 76: 438-45, 1998.	
	A5	Dolnik, "DNA sequencing by capillary electrophoresis (review)." J Biochem Biophys Methods, 41:103-19, 1999.	
	A6	Dovich and Zheng, "DNA sequencing by capillary array electrophoresis." Methods Mol Biol, 167:225-39, 2001.	
	A7	Fahy et al., "Multiplex fluorescence-based primer extension method for quantitative mutation analysis of mitochondrial DNA and its diagnostic application for Alzheimer's disease." Nucleic Acid Research, 25: 3102-3109, 1997.	
	A8	Hafner et al., "Isothermal amplification and multimerization of DNA by Bst DNA polymerase." Biotechniques, Apr 30(4):852-867, 2001.	
	A9	Heller, "Principles of DNA separation with capillary electrophoresis." Electrophoresis 22:629-43, 2001.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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(Use as many sheets as necessary)		<b>Application Number</b>	10/017,870
Sheet 2 of 3		<b>Filing Date</b>	12/12/2001
		<b>First Named Inventor</b>	Doug Hui Huang
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		<b>Attorney Docket Number</b>	034827-1401

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	A10	Lindblad-Toh et al., "Large-scale discovery and genotyping of single-nucleotide polymorphisms in the mouse." Nature Genet., (24):381-6., 2000.	
	A11	Meldrum, "Automation for Genomics, Part One: Preparation for Sequencing." Genome Research, 10:1081-1092, 2000.	
	A12	Meldrum, "Automation for Genomics, Part Two: Sequencers, Microarrays, and Future Trends." Genome Research, 10:1288-1303, 2000.	
	A13	Mitchelson, "The Application of capillary electrophoresis for DNA polymorphism analysis." Keith R. Mitchelson and Jing Cheng eds., <u>Methods in Molecular Biology</u> , Totowa, NJ: Humana Press, 2001, pgs. 3-26.	
	A14	Morisette et al., "Homozygotes carrying an autosomal dominant <i>TIGR</i> mutation do not manifest glaucoma." Nat. Genet., 19:319-321, 1998.	
	A15	Nguyen et al., "Gene structure and properties of TIGR, an olfactomedin-related glycoprotein cloned from glucocorticoid-induced trabecular meshwork cells." J. Biol. Chem., 273: 6341-50, 1998.	
	A16	Saiki, "Amplification of Genomic DNA." Innis et al., Eds., <u>PCR Protocols: A Guide to Methods and Applications</u> . San Diego, CA: Academic Press, 1990, pp 13-20.	
	A17	Shimizu et al., "Age-dependent prevalence of mutations at the <i>GLC1A</i> locus in primary open-angle glaucoma." Am. J. Ophthalmol., 130:165-77, 2000.	

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	A18	Wharam et al., "Specific detection of DNA and RNA targets using a novel isothermal nucleic acid amplification assay based on the formation of a three-way junction structure." Nucleic Acids Res., 29(11):E54-E54, 2001.	

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